

DIARYL SULFIDE DERIVATIVE AND PEST CONTROLLING AGENT

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Abstract of JP2000026421

PROBLEM TO BE SOLVED: To produce a new compound useful as an insecticide capable manifesting remarkable effects especially on *Plutella xylostella*, *Chilo suppressalis*, etc., which are agricultural and horticultural pests, having high efficacies even in a small dose and excellent in safety. **SOLUTION:** This compound is represented by formula I [Q denotes N or the like; X1 denotes H or the like; X2 denotes H or the like; the heteroaryl denotes a group represented by formula II or the like; R1 and R2 denote each H or the like; however, at least one thereof denotes SOnR4; R4 denotes a 1-4C alkyl or the like; (n) denote 0-2, with the proviso that X1 and X2 are not simultaneously H or the like], e.g. 2-(2,6-dichloro-4-trifluoromethylphenyl)-5-isopropylthiazole. The compound represented by formula I is produced by reacting, e.g. a compound represented by formula II (a group represented by formula IV is the above heteroaryl) [e.g. 2-(2,6-dichloro-4-trifluoromethylphenyl)-5-mercaptotiazole] with a compound represented by the formula; R4L1 (L1 is a halogen or the like) (e.g. isopropyl iodide) in the presence of a base such as potassium carbonate in a solvent.

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